

CLAIMS

What is claimed is:

1. A system for collecting bio-waste material, the system comprising:
 - (a) a collection receptacle associated with a structure, said collection receptacle receiving the bio-waste material;
 - (b) a transport network extending from said collection receptacle to a storage receptacle; and
 - (c) an electromechanical cart movable within said transport network, said cart automatically packaging said bio-waste material retrieved at said collection receptacle in preparation for delivery of said bio-waste material to said storage receptacle.

2. The system as recited in claim 1, wherein said collection receptacle comprises a receptacle selected from the group consisting of a sink, a waste disposal, a toilet, or a chair.

3. The system as recited in claim 1, wherein said collection receptacle further comprises a carrier that receives said bio-waste material.

4. The system as recited in claim 3, wherein said carrier further comprises an absorbent material that absorbs any liquids collected by said receptacle.

5. The system as recited in claim 1, wherein said cart automatically compacts said bio-waste material and seals said bio-waste material within a carrier.

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6. The system as recited in claim 1, wherein said transport network comprises at least one generally horizontal member and at least one generally vertical member.

7. The system as recited in claim 4, wherein said cart moves said packaged bio-waste material along said at least one generally horizontal member and deposits said packaged bio-waste material down said at least one generally vertical member.

8. The system as recited in claim 5, wherein another cart receives said packaged bio-waste material that passes down said at least one generally vertical member.

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9. A system for collecting bio-waste material, the system comprising:
 - (a) a plurality of collection receptacles associated with a structure, each of said plurality of collection receptacles receiving the bio-waste material;
 - (b) a transport network extending from each of said plurality of collection receptacles to at least one storage receptacle located at said structure; and
 - (c) a plurality of electromechanical carts disposed within said transport network, at least one of said plurality of carts automatically packaging said bio-waste material to form packaged bio-waste material, wherein, said plurality of electromechanical carts collect said packaged bio-waste material and automatically deliver said packaged bio-waste material to said at least one storage receptacle.

10. A system as recited in claim 9, wherein said transport network comprises a plurality of interconnected transport members.

11. A system as recited in claim 9, wherein said transport network comprises at least one of a shaft, a tunnel, a channel, a tube, a track, and an electronic track.

12. A system as recited in claim 9, wherein each cart of said plurality of carts comprises a container for receiving said bio-waste material, a mechanism that compacts said bio-waste material, and a mechanism that aids in moving said cart through said transport network.

13. A method for collecting bio-waste material produced in a structure, the method comprising:

- (a) a step for receiving bio-waste material deposited using a collection receptacle; and
- (b) upon an electromechanical cart receiving said bio-waste material, a step for compacting said received bio-waste material to form a closed package of said bio-waste material.

14. A method as recited in claim 13, further comprising a step for positioning said electromechanical cart in close proximity to said collection receptacle.

15. A method as recited in claim 13, further comprising a step for moving said closed package of said bio-waste material to a storage receptacle.

16. A method as recited in claim 14, wherein said step for moving said closed package of said bio-waste material further comprises a step for moving said closed package of said bio-waste material through a transport network with said electromechanical cart.

17. A method as recited in claim 13, further comprising a step for absorbing liquid associated with said bio-material upon receiving said bio-material.

18. A method as recited in claim 13, further comprising a step for moving said closed package of said bio-waste material to a recycle facility.

19. A method as recited in claim 18, wherein said step for moving said closed package of said bio-waste material further comprises:

- (a) moving said closed package of said bio-waste material to a storage receptacle;
- (b) collecting said closed package of said bio-waste material from said storage receptacle; and
- (c) transporting said closed package of said bio-waste material to said recycle facility.

20. A method as recited in claim 18, wherein said recycle facility is remote from said structure.

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